

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062420\  
 Data File : BN011049.D  
 Acq On : 24 Jun 2020 15:38  
 Operator : CG/JU  
 Sample : L3033-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LF001MW001-200615

Manual Integrations  
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 6/25/2020 1:06:57 PM

Quant Time: Jun 25 10:04:40 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062320.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 23 18:53:50 2020

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 3028     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.27 | 136  | 10896m   | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.16 | 164  | 29389    | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 16.90 | 188  | 13464    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12          | 21.10 | 240  | 12610    | 0.40 | ng    | -0.02    |
| 36) Perylene-d12          | 23.25 | 264  | 12405    | 0.40 | ng    | -0.02    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.19  | 112 | 2094  | 0.25 | ng | 0.00 |
| 5) Phenol-d6                | 6.74  | 99  | 3239  | 0.32 | ng | 0.02 |
| 8) Nitrobenzene-d5          | 8.66  | 82  | 6971  | 0.70 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.86 | 152 | 5682m | 0.30 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.64 | 330 | 1494  | 0.12 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.76 | 172 | 12100 | 0.09 | ng | 0.00 |
| 27) Fluoranthene-d10        | 18.94 | 212 | 13081 | 0.31 | ng | 0.00 |
| 31) Terphenyl-d14           | 19.55 | 244 | 13509 | 0.40 | ng | 0.00 |

#### Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.23  | 88  | 1233    | 0.303  | ng | # 1    |
| 9) Naphthalene                 | 10.32 | 128 | 2346175 | 70.893 | ng | 98     |
| 12) 2-Methylnaphthalene        | 11.93 | 142 | 246647  | 11.130 | ng | 99     |
| 16) Acenaphthylene             | 13.87 | 152 | 3378    | 0.023  | ng | # 75   |
| 18) Fluorene                   | 15.20 | 166 | 4722    | 0.037  | ng | # 86   |
| 25) Phenanthrene               | 16.93 | 178 | 3216    | 0.071  | ng | # 70   |
| 34) Bis(2-ethylhexyl)phthalate | 21.05 | 149 | 1853    | 0.106  | ng | # 98   |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

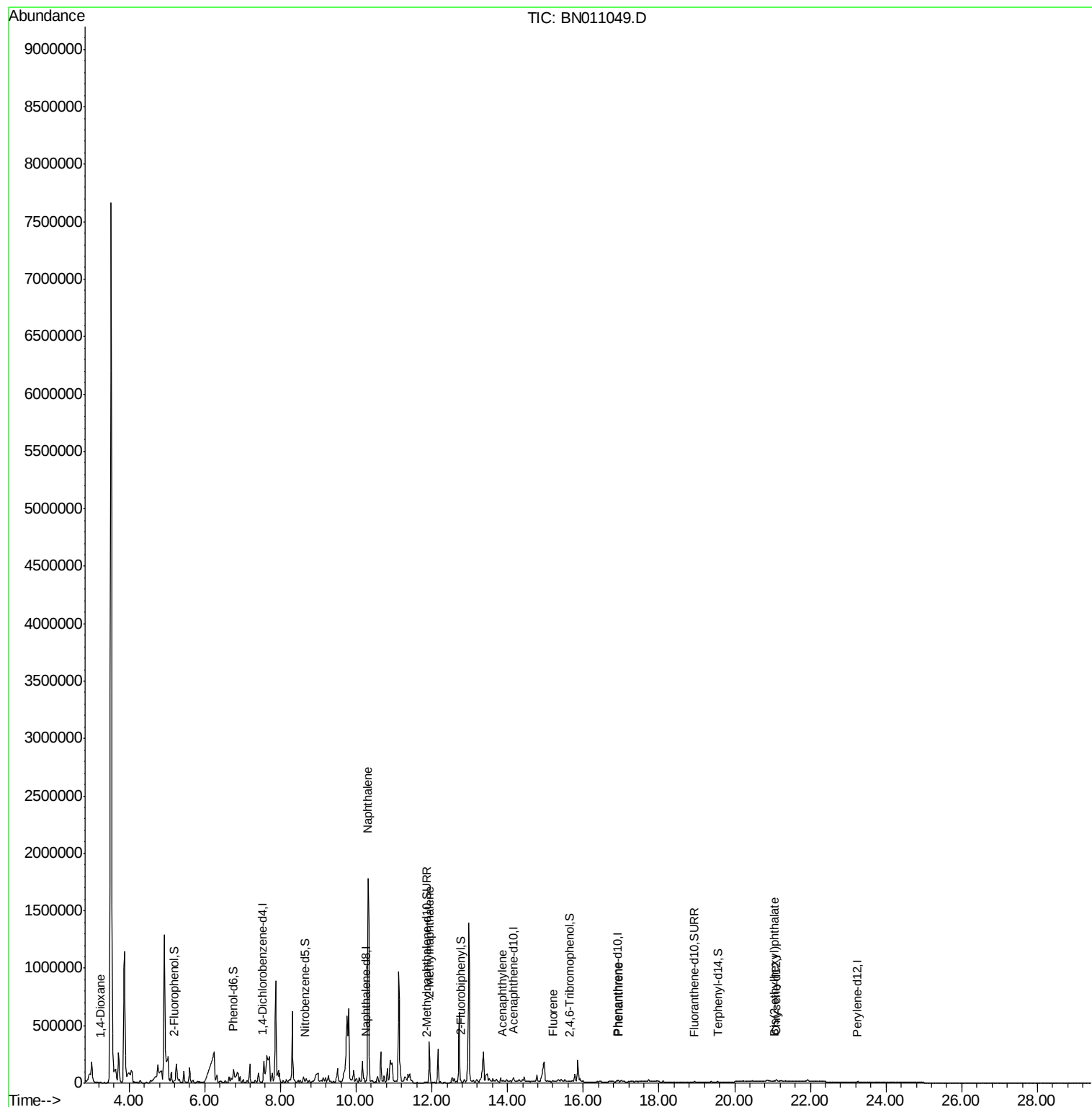
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062420\  
Data File : BN011049.D  
Acq On : 24 Jun 2020 15:38  
Operator : CG/JU  
Sample : L3033-04  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

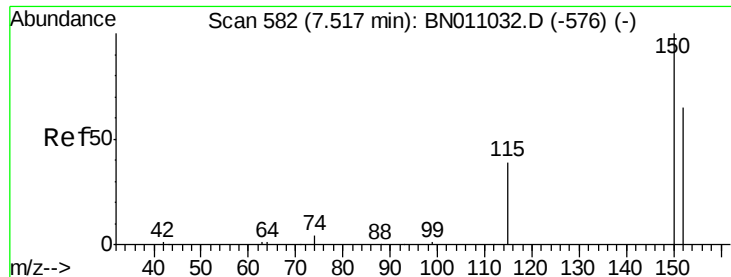
Instrument :  
BNA\_N  
ClientSampleId :  
LF001MW001-200615

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Quant Time: Jun 25 10:04:40 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 23 18:53:50 2020  
Response via : Initial Calibration





#1

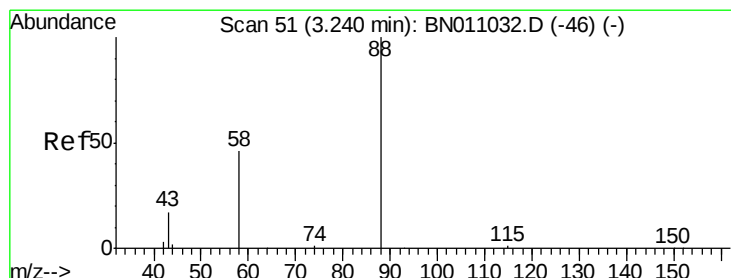
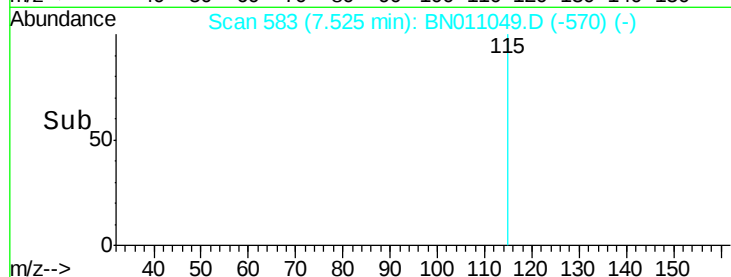
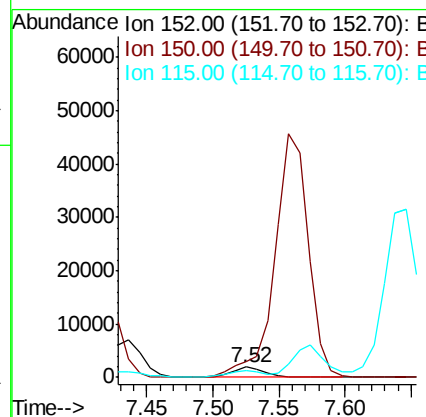
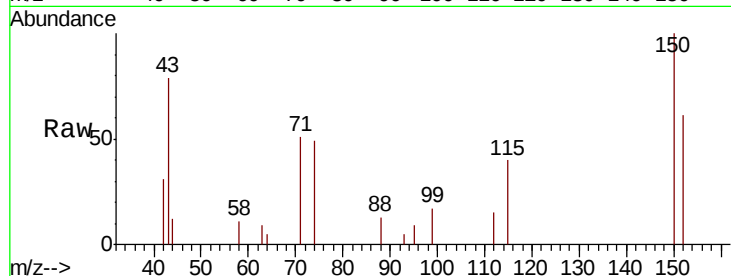
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.52 min Scan# 583  
Delta R.T. 0.01 min  
Lab File: BN011049.D  
Acq: 24 Jun 2020 15:38

Instrument :  
BNA\_N  
ClientSampleId :  
LF001MW001-200615

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 163.0 | 121.8 | 182.8 |
| 115     | 65.6  | 50.2  | 75.2  |

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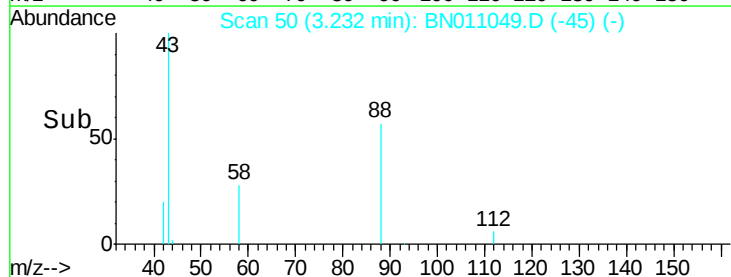
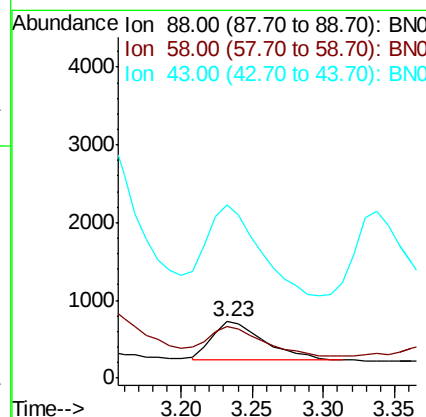
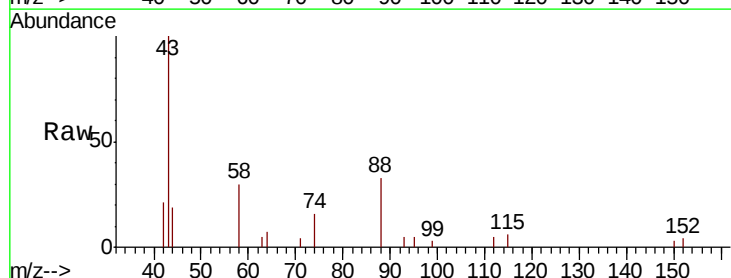
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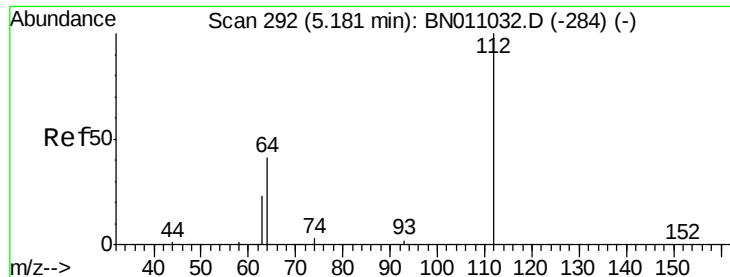


#2

1,4-Dioxane  
Concen: 0.303 ng  
RT: 3.23 min Scan# 50  
Delta R.T. -0.01 min  
Lab File: BN011049.D  
Acq: 24 Jun 2020 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 76.7  | 38.4  | 57.6# |
| 43      | 234.4 | 14.2  | 21.4# |





#4

2-Fluorophenol

Concen: 0.245 ng

RT: 5.19 min Scan# 293

Delta R.T. 0.01 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

Instrument :

BNA\_N

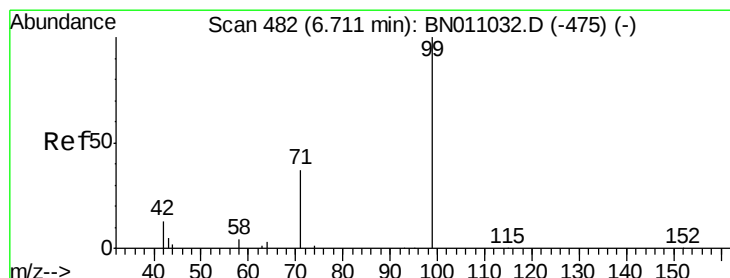
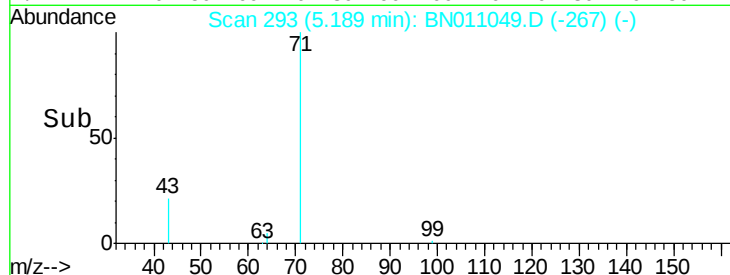
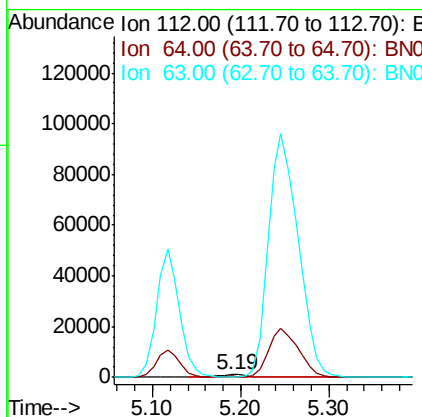
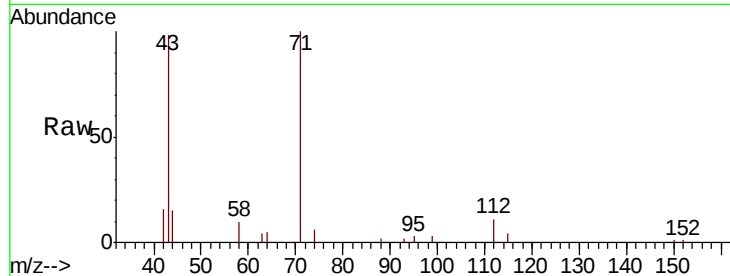
ClientSampleId :

LF001MW001-200615

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 112   | Resp: | 2094  |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 0.0   | 37.3  | 55.9# |
| 63        | 0.0   | 20.4  | 30.6# |

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#5

Phenol-d6

Concen: 0.321 ng

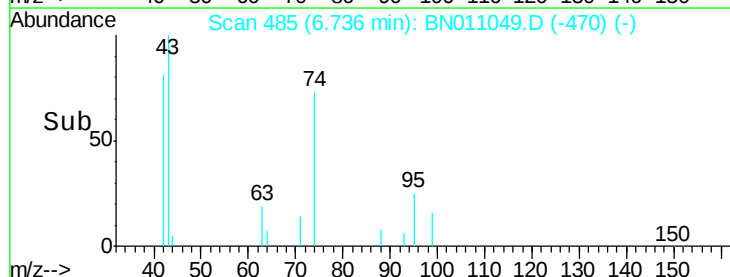
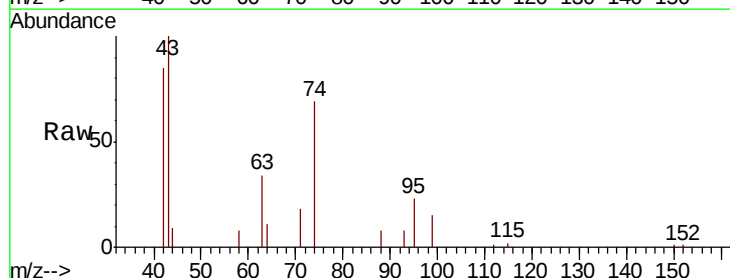
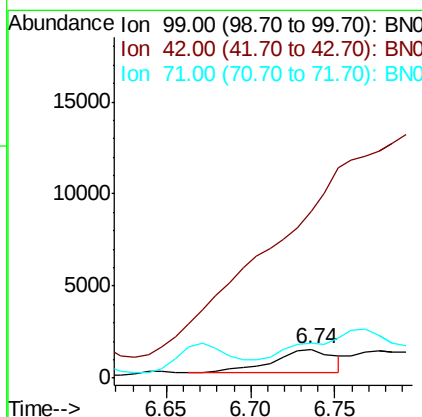
RT: 6.74 min Scan# 485

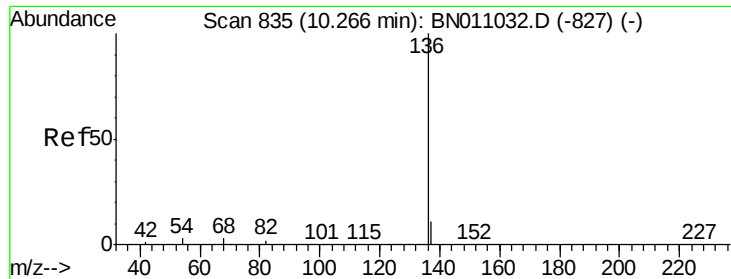
Delta R.T. 0.02 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 3239  |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 0.0   | 10.6  | 16.0# |
| 71        | 0.0   | 28.7  | 43.1# |





#7

Naphthalene-d8

Concen: 0.400 ng/mL

RT: 10.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

Instrument :

BNA\_N

ClientSampleId :

LF001MW001-200615

Tot Ion: 136 Resp: 10896

Ion Ratio Lower Upper

136 100

137 18.5 9.6 14.4#

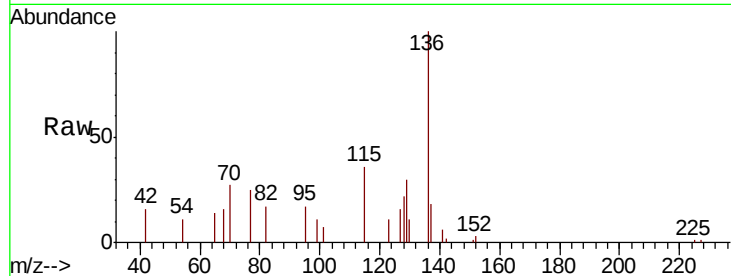
54 11.1 3.0 4.4#

68 16.1 3.4 5.2#

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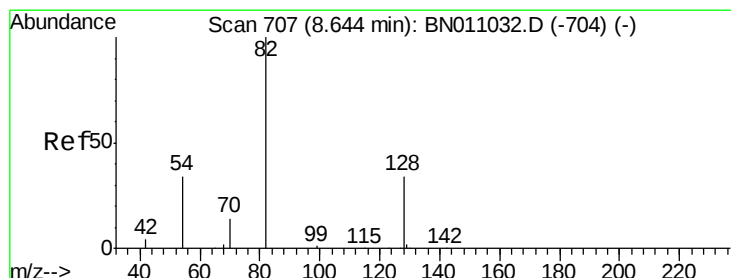
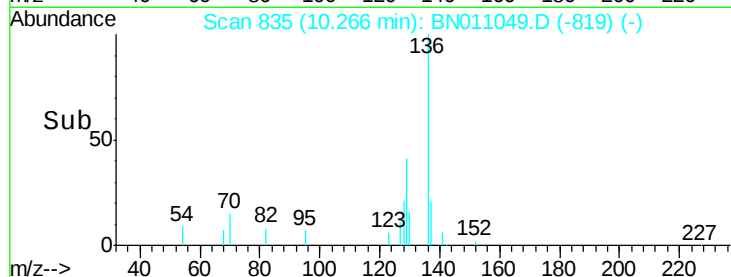
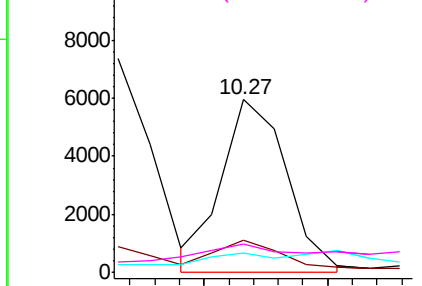
Abundance

Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#8

Nitrobenzene-d5

Concen: 0.702 ng/mL

RT: 8.66 min Scan# 708

Delta R.T. 0.01 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

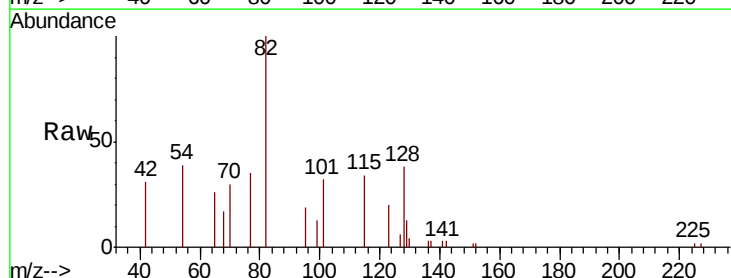
Tgt Ion: 82 Resp: 6971

Ion Ratio Lower Upper

82 100

128 38.2 29.4 44.2

54 38.8 28.8 43.2

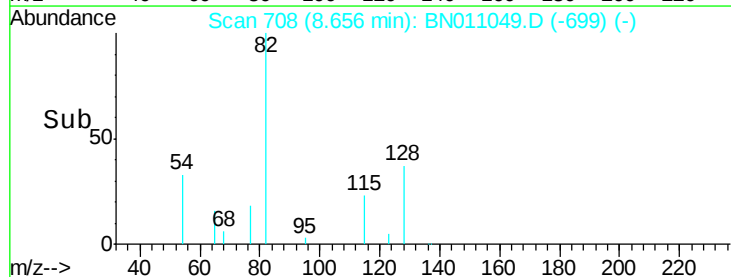
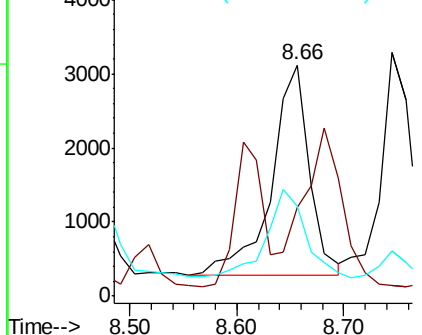


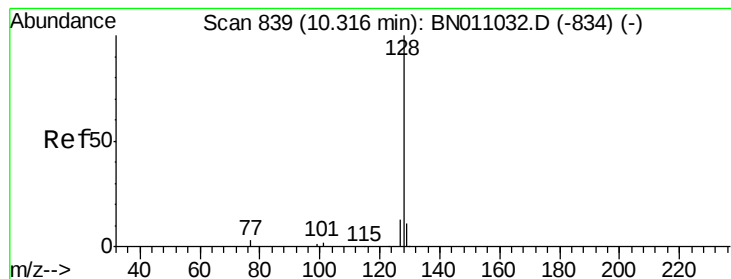
Abundance

Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#9

Naphthalene

Concen: 70.893 ng

RT: 10.32 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

Instrument :

BNA\_N

ClientSampleId :

LF001MW001-200615

Tot Ion:128 Resp: 2346175

Ion Ratio Lower Upper

128 100

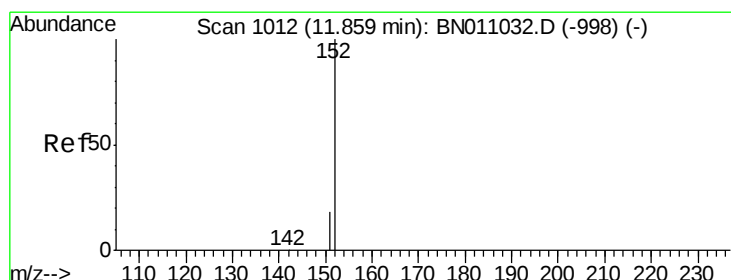
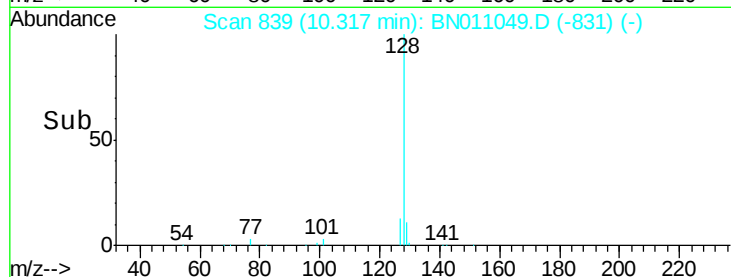
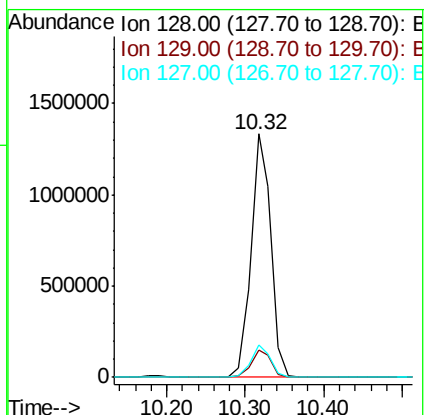
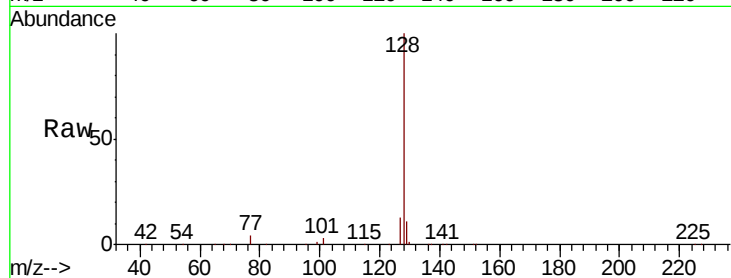
129 11.3 9.8 14.6

127 13.3 10.9 16.3

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#11

2-Methylnaphthalene-d10

Concen: 0.296 ng m

RT: 11.86 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BN011049.D

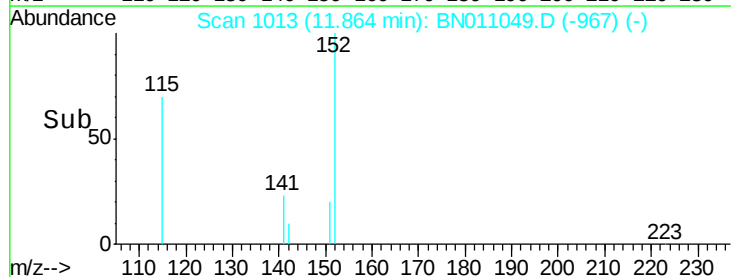
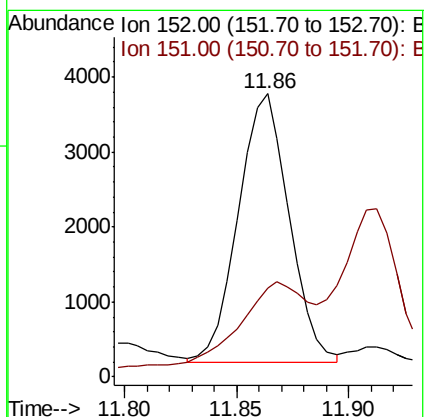
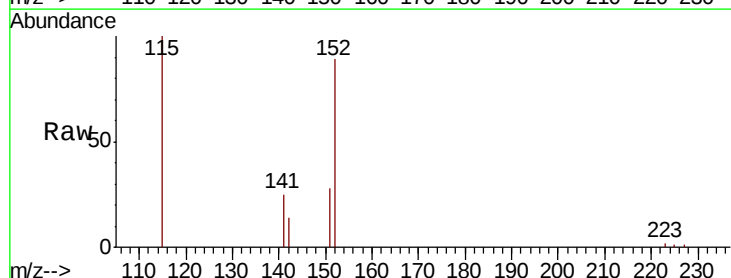
Acq: 24 Jun 2020 15:38

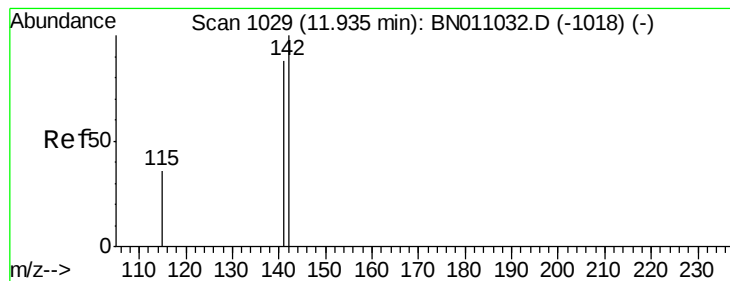
Tgt Ion:152 Resp: 5682

Ion Ratio Lower Upper

152 100

151 0.0 16.2 24.4#





#12

2-Methylnaphthalene

Concen: 11.130 ng

RT: 11.93 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

Instrument :

BNA\_N

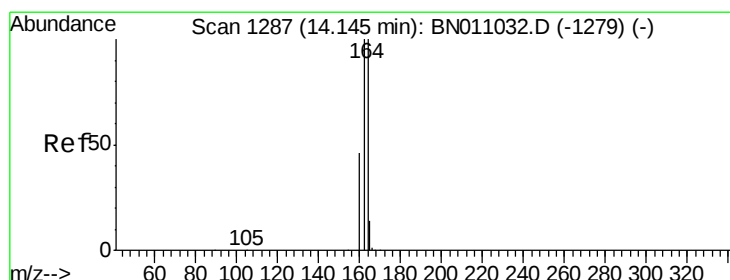
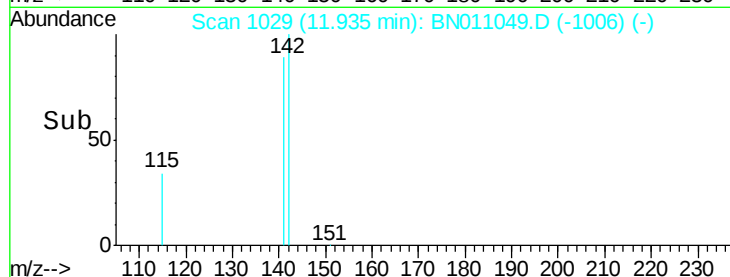
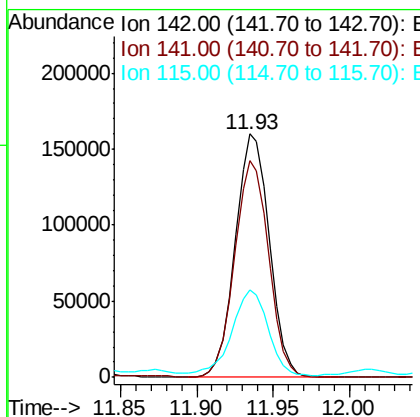
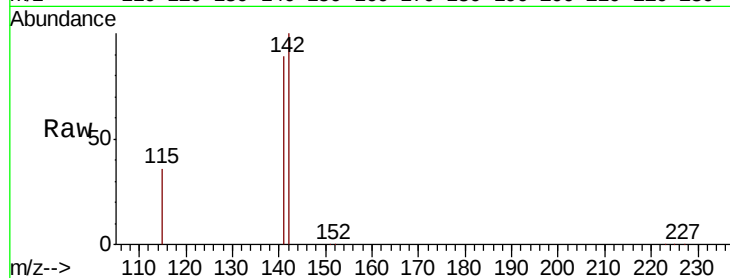
ClientSampleId :

LF001MW001-200615

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.0  | 70.6  | 106.0 |
| 115     | 36.2  | 30.2  | 45.2  |

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#13

Acenaphthene-d10

Concen: 0.400 ng

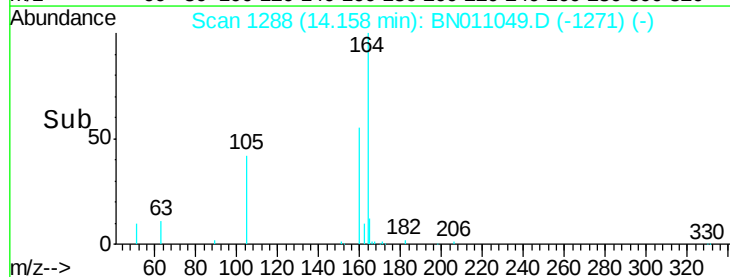
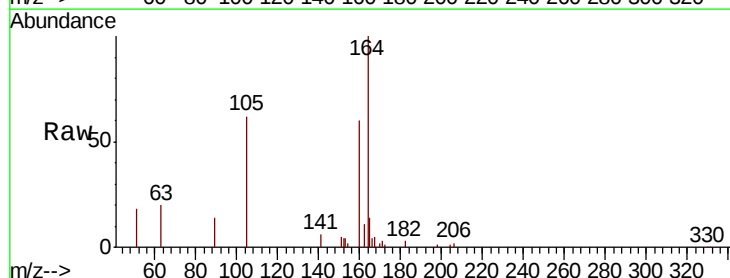
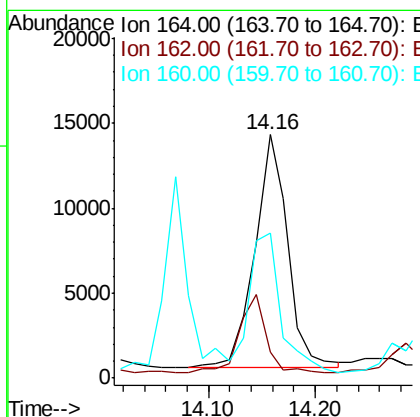
RT: 14.16 min Scan# 1288

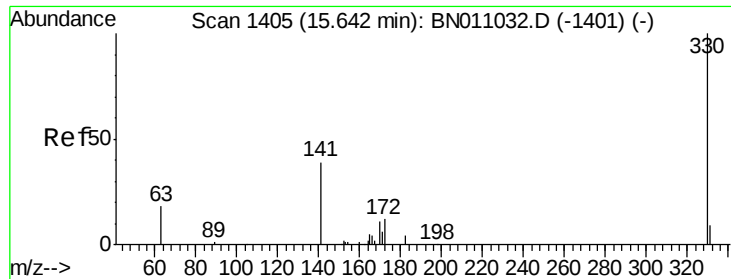
Delta R.T. 0.01 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 164     | 100   |       |        |
| 162     | 10.8  | 80.2  | 120.4# |
| 160     | 59.6  | 37.7  | 56.5#  |





#14

2,4,6-Tribromophenol

Concen: 0.116 ng

RT: 15.64 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

Instrument :

BNA\_N

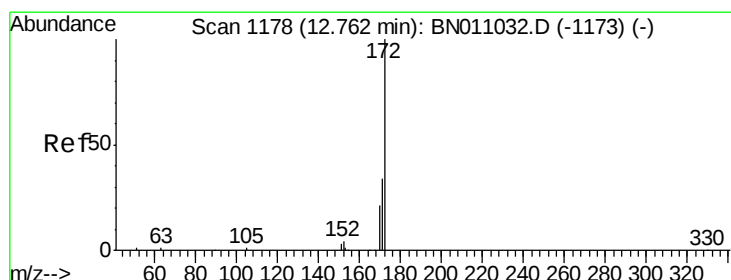
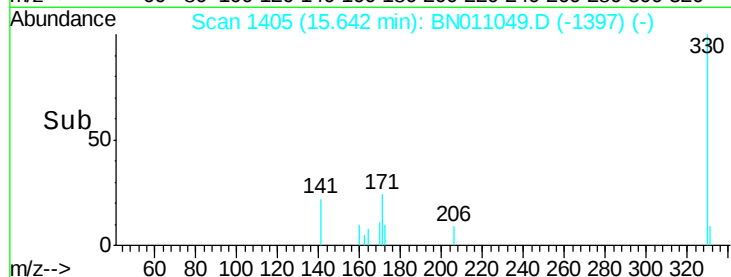
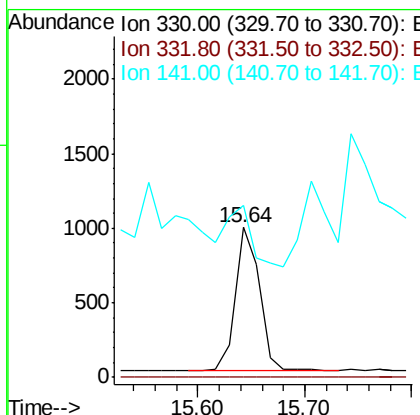
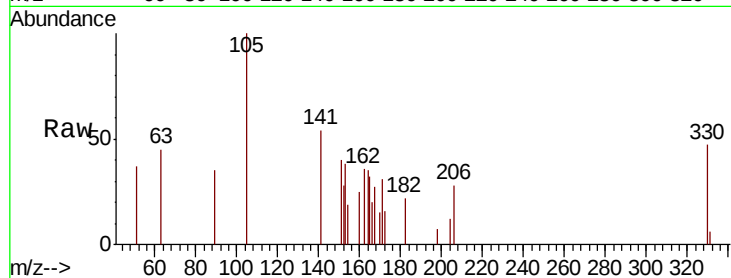
ClientSampleId :

LF001MW001-200615

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 41.6  | 34.5  | 51.7  |

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#15

2-Fluorobiphenyl

Concen: 0.088 ng

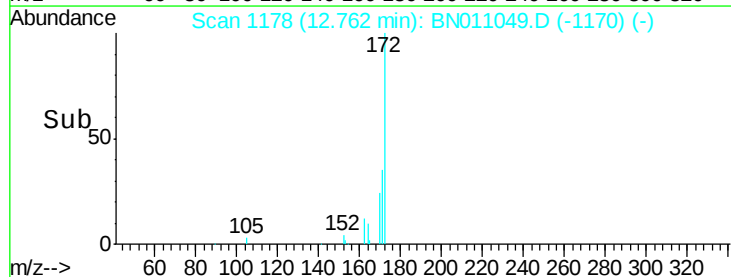
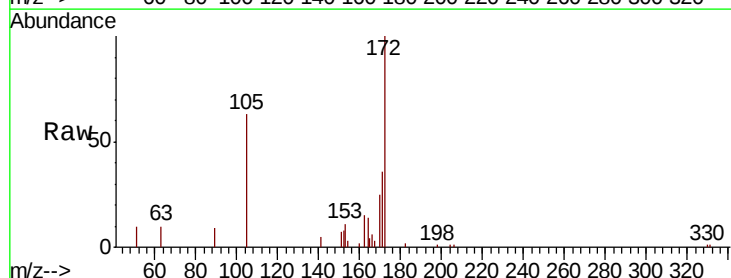
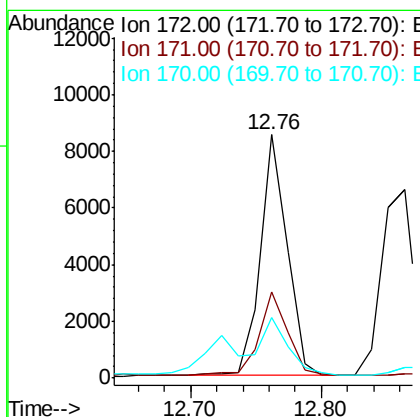
RT: 12.76 min Scan# 1178

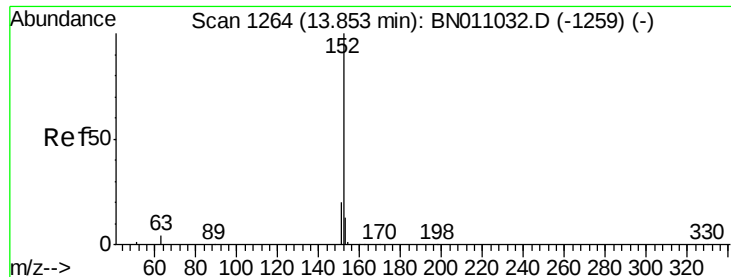
Delta R.T. 0.00 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 27.4  | 41.2  |
| 170     | 24.9  | 17.5  | 26.3  |





#16

Acenaphthylene

Concen: 0.023 ng

RT: 13.87 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

Instrument :

BNA\_N

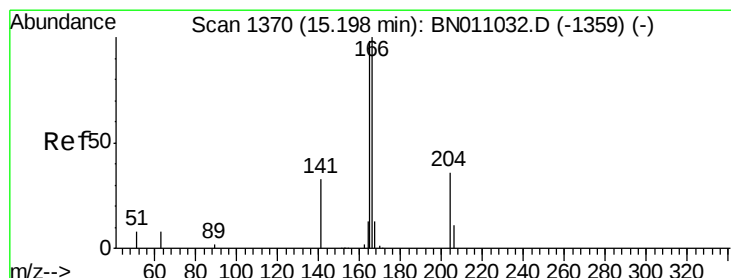
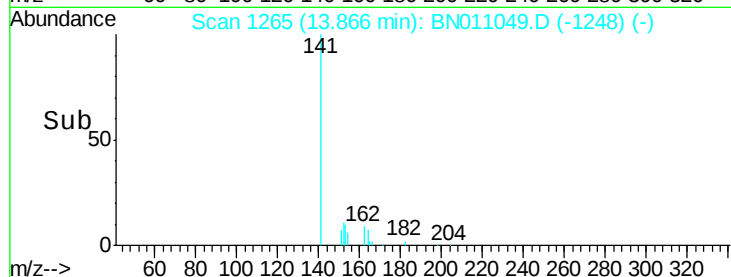
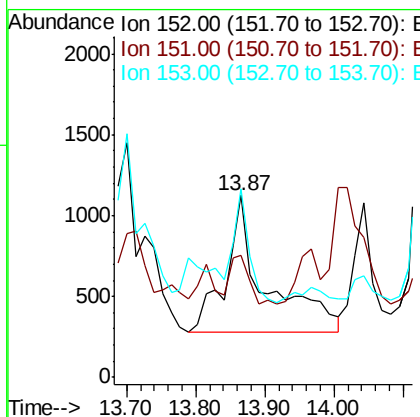
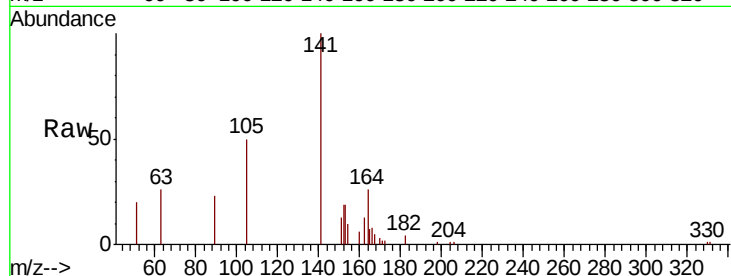
ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 3378  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 16.5  | 15.6  | 23.4  |
| 153       | 33.3  | 10.2  | 15.2# |

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#18

Fluorene

Concen: 0.037 ng

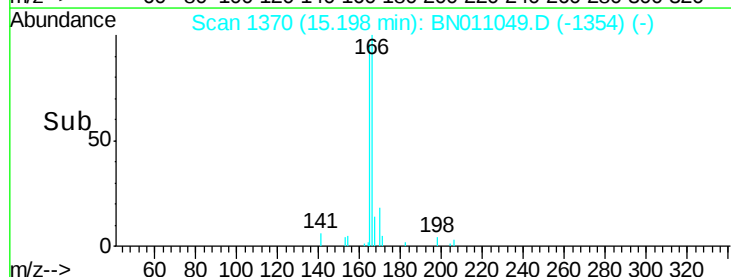
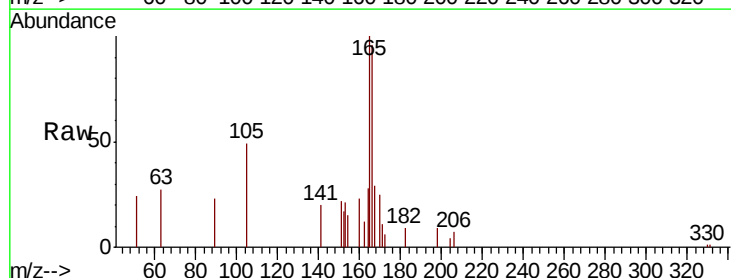
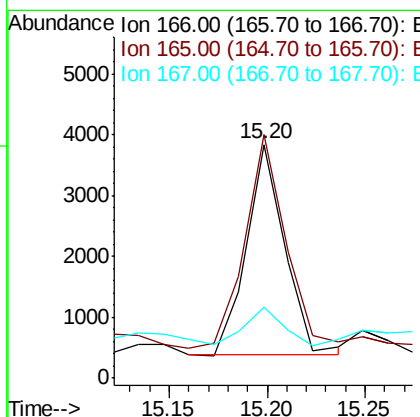
RT: 15.20 min Scan# 1370

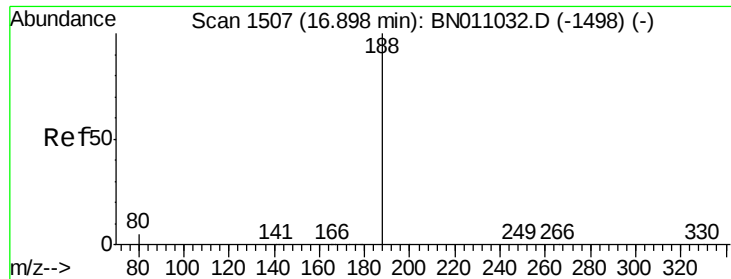
Delta R.T. 0.00 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 4722  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 111.4 | 77.8  | 116.8 |
| 167       | 18.1  | 10.8  | 16.2# |





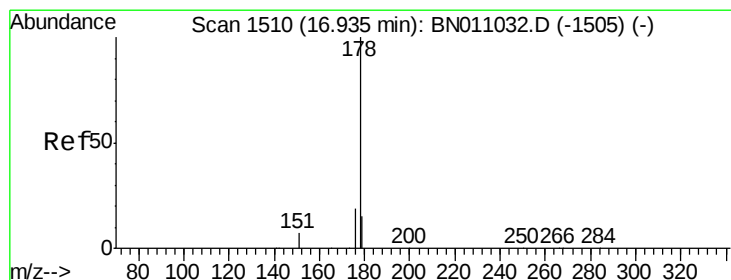
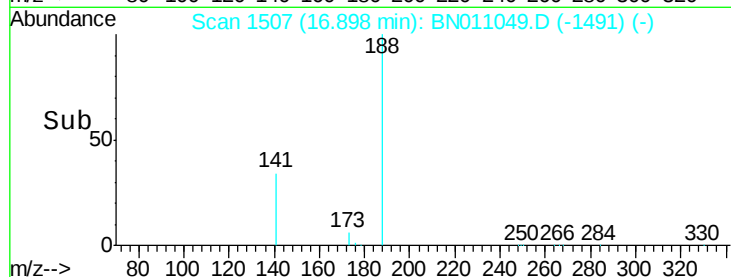
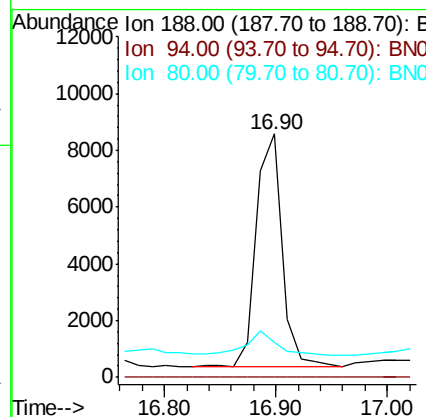
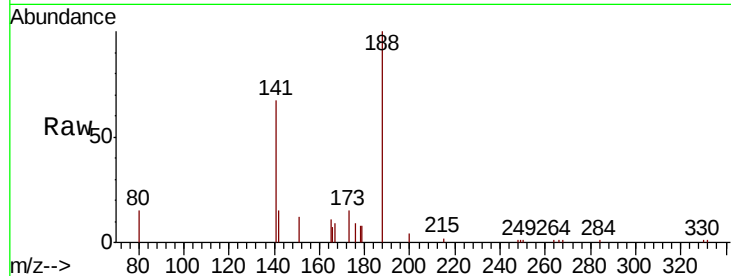
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.90 min Scan# 1507  
Delta R.T. 0.00 min  
Lab File: BN011049.D  
Acq: 24 Jun 2020 15:38

Instrument :  
BNA\_N  
ClientSampleId :  
LF001MW001-200615

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 0.0   | 0.0  | 0.0   |       |
| 80      | 14.5  | 4.6  | 7.0   |       |

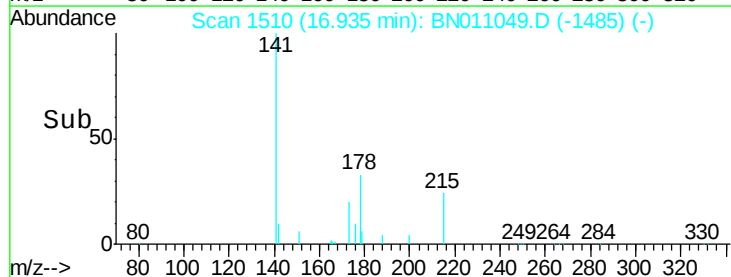
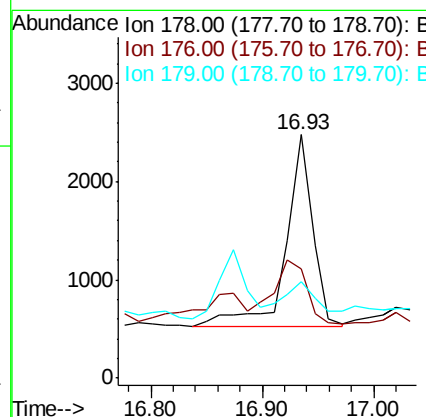
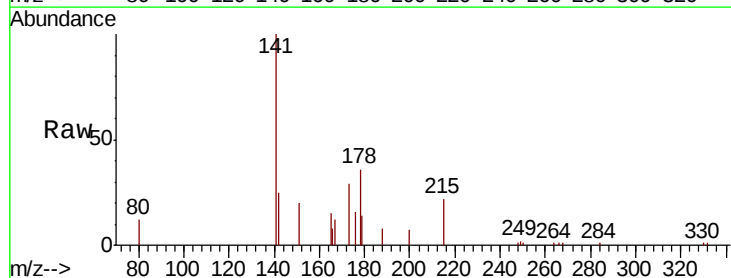
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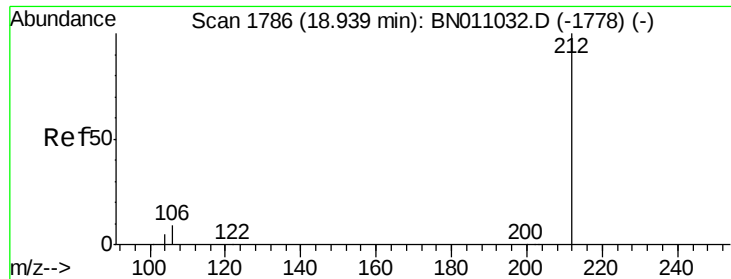
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#25  
Phenanthrene  
Concen: 0.071 ng  
RT: 16.93 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: BN011049.D  
Acq: 24 Jun 2020 15:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 178     | 100   |      |       |       |
| 176     | 41.9  | 15.0 | 22.6  |       |
| 179     | 17.3  | 12.3 | 18.5  |       |





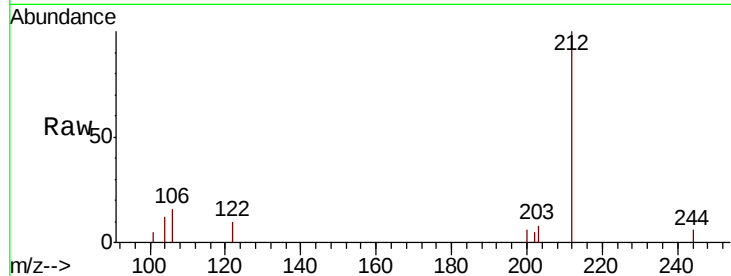
#27  
 Fluoranthene-d10  
 Concen: 0.307 ng  
 RT: 18.94 min Scan# 1784  
 Delta R.T. -0.00 min  
 Lab File: BN011049.D  
 Acq: 24 Jun 2020 15:38

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LF001MW001-200615

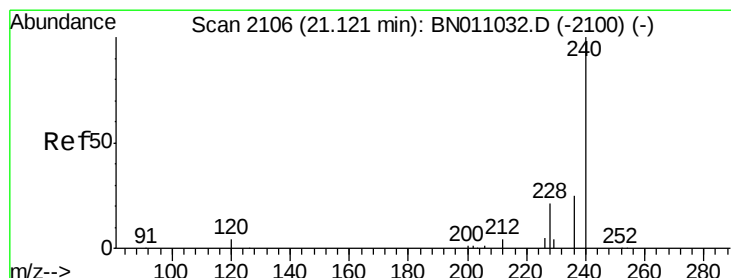
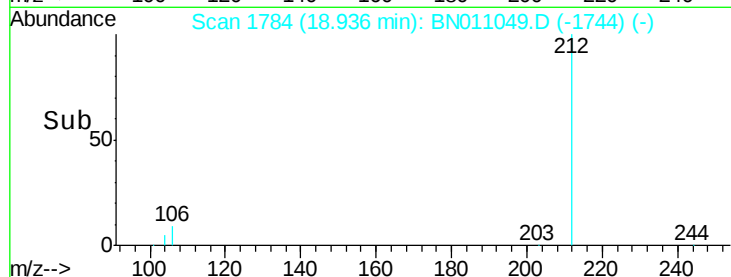
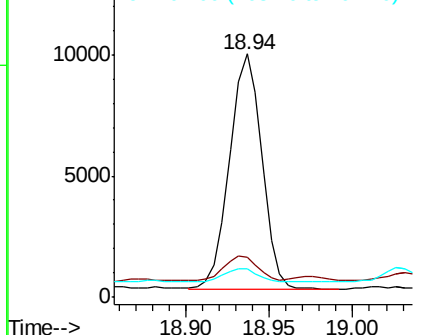
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 10.5  | 7.7   | 11.5  |
| 104     | 5.8   | 4.6   | 6.8   |

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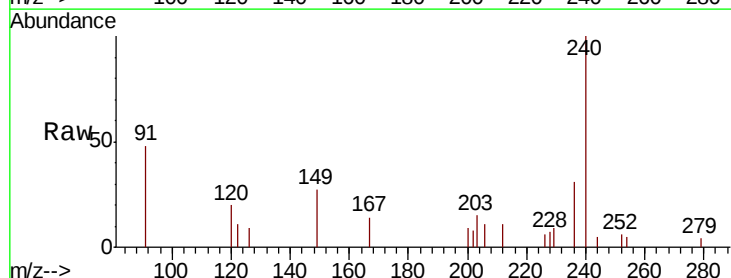


Abundance Ion 212.00 (211.70 to 212.70): E  
 Ion 106.00 (105.70 to 106.70): E  
 Ion 104.00 (103.70 to 104.70): E

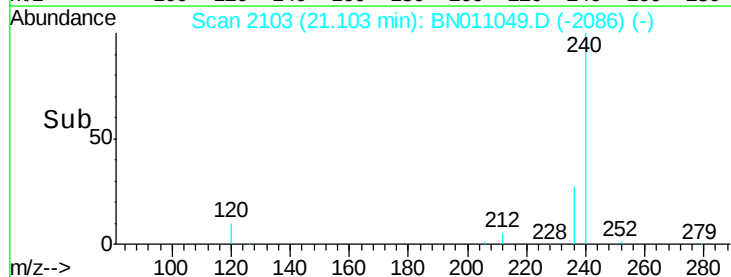
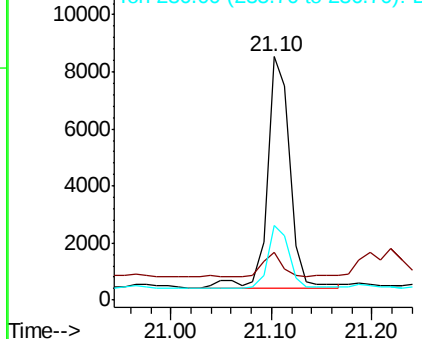


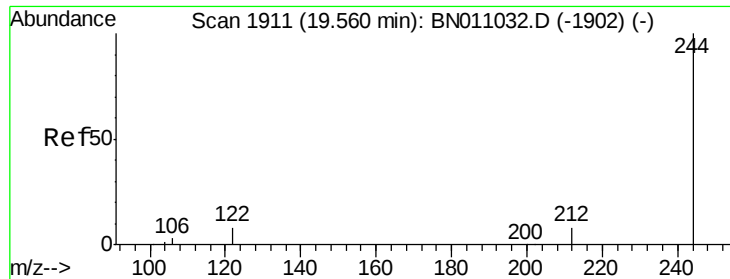
#29  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.10 min Scan# 2103  
 Delta R.T. -0.02 min  
 Lab File: BN011049.D  
 Acq: 24 Jun 2020 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 19.5  | 5.4   | 8.0#  |
| 236     | 30.6  | 21.4  | 32.2  |



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E





#31

Terphenyl-d14

Concen: 0.399 ng

RT: 19.55 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BN011049.D

Acq: 24 Jun 2020 15:38

Instrument :

BNA\_N

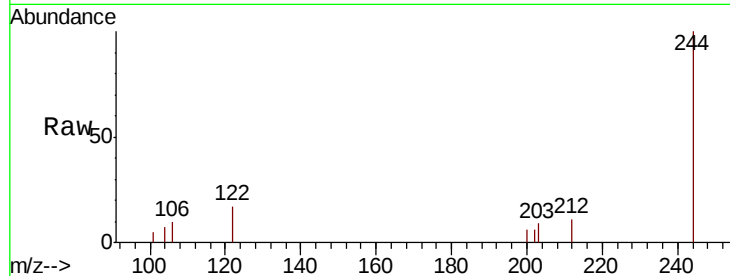
ClientSampleId :

LF001MW001-200615

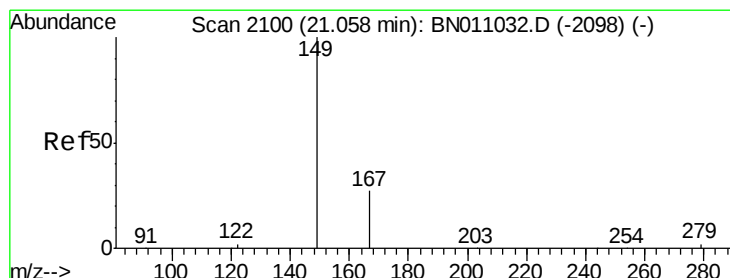
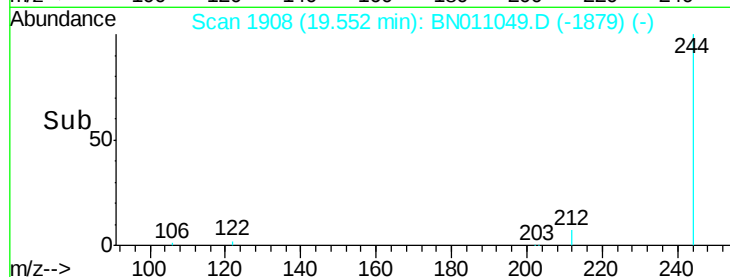
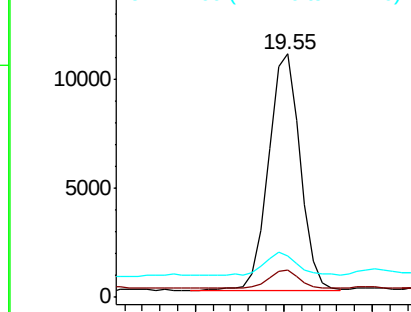
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 13509 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 11.0  | 6.9   | 10.3# |
| 122       | 17.0  | 7.4   | 11.0# |

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Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.106 ng

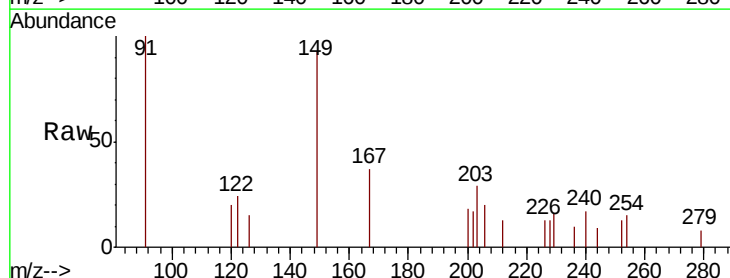
RT: 21.05 min Scan# 2098

Delta R.T. -0.01 min

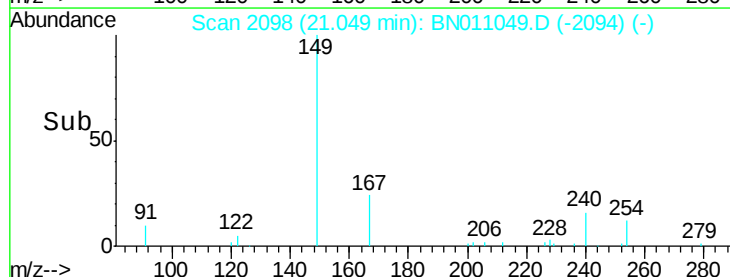
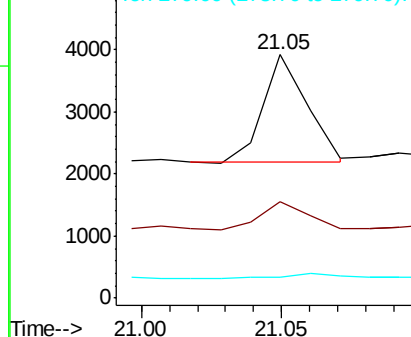
Lab File: BN011049.D

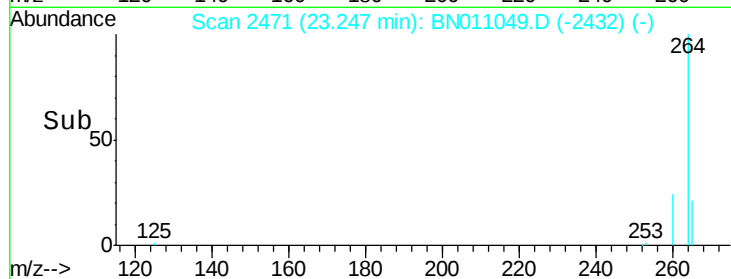
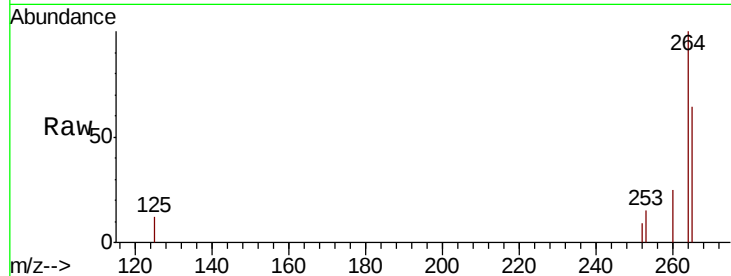
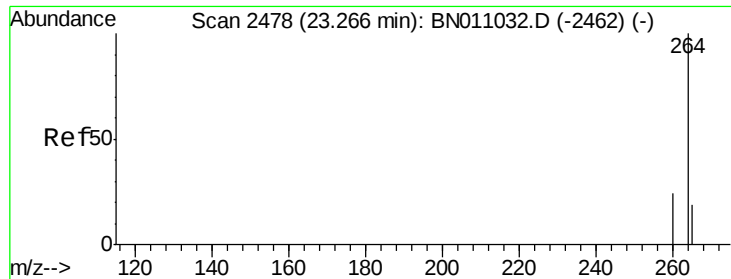
Acq: 24 Jun 2020 15:38

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 1853 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 27.0  | 22.2  | 33.2 |
| 279       | 6.6   | 3.9   | 5.9# |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E





#36  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.25 min Scan# 2471  
 Delta R.T. -0.02 min  
 Lab File: BN011049.D  
 Acq: 24 Jun 2020 15:38

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LF001MW001-200615

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.4  | 20.0  | 30.0  |
| 265     | 64.4  | 64.9  | 97.3  |

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